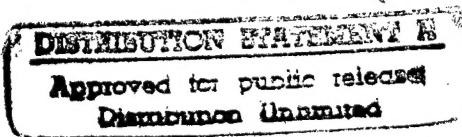


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[Summary: The writer discusses the anti-Confucian aspects of the T'ai-p'ing Rebellion. Attention is focused on the struggle between Hung Hsiu-ch'uan, the leader of the T'ai-p'ing movement, and Tseng Kuo-fan, the chief defender of the system and the Confucian tradition.]

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[Summary: A description of five silver plates dating
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CSO: 3500

SCIENTIFIC AND TECHNOLOGICAL

THE PRODUCTION AND APPLICATION OF '702'

Canton "CH'I LING ERH TE SHENG-CH'AN YO YING-YUNG (The Production and Application of "702") in Chinese 1972, 54 pp

[Publication data, table of contents, and foreword from book by the Shanghai-Kwangtung "702" Cooperative Team, first edition 1 Jun 1972]

Foreword

The great victory of the Great Proletarian Cultural Revolution completely smashed the renegade, traitor and scab Liu Shao-ch'i's counterrevolutionary revisionist line of foreign slave philosophy, crawlism and experts running agriculture, so that the countless revolutionary masses established their socialist activism and were able to come fully into play, becoming the masters of scientific experiment.

The broad masses of the people, poor and lower-middle peasants, revolutionary cadres and revolutionary scientific and technical personnel of Kwangtung province conscientiously studied the works of Chairman Mao, and in accordance with Chairman Mao's great teaching that "the class struggle, the production struggle and scientific experiment are the three great movements in setting up a strong socialist state," carried on a big mass movement for scientific farming, and actively pursued scientific experimentation on "702" (a decomposition product of nucleic acid); they achieved excellent results in its industrial production and agricultural application, marking a new development of the agricultural scientific experimentation mass movement.

The nucleic acid industry is a new industry dating from the 1960's. In addition to the great theoretical and philosophical significance of nucleic acid research and production for the solution of the fundamental biological problem of the origin of life, nucleic acid compounds give daily greater promise of an unlimited future in industrial, agricultural and medical applications. Our aim in studying, producing and using them is to make them better serve the socialist revolution and socialist construction in our country.

Nucleic acid is a large-molecule compound that is one of the main components of the living organism. It is composed of many individual nucleotide units. Some nucleotides have already given great results in applications in the food industry and medicine. For instance, inosinic acid and uridylic acid are effective meat flavoring agents, which when added to ordinary monosodium glutamate produce a marked increase in fresh meat flavor. Adenosine triphosphate (ATP) is already an established medical product in our country, giving excellent results in the treatment of hepatitis, muscular dystrophy and nephritis and as an auxiliary drug in the treatment of the dangerously ill. Inosine is very effective in the treatment of lung and heart disease and leukopenia. Moreover, there are some nucleotide derivatives that have an anti-cancer effect and hence furnish cancer therapy with a new drug.

Besides its industrial and medical uses, nucleic acid will have wider and wider applications in agriculture. Agriculture is the foundation of the people's economy, and how we manage our agriculture is directly connected with the implementation of the general strategic policy "prepare for war, prepare for natural calamity, work for the people." Accordingly, the agricultural application of nucleic acid inevitably attracts the close attention of all concerned units. The mass-type scientific experimentation on the agricultural applications of "702," the decomposition product of nucleic acid, was begun in 1970 under the direction of our great leader Chairman Mao's general policy of "grasp revolution, stimulate production," through the co-operation of Peking and Shanghai scientific research units. After over a year's experience, production-increasing effects were obtained on many crops at different stages of development. To aid the broad revolutionary masses to understand and grasp the laws of the production and application of "702" and to further promote the development, consolidation and enhancement of this movement, we have prepared this booklet, on the basis of production practice and relevant data from the various localities, as a basic introduction for all to the production and application of "702." Because our study of Marxism, Leninism and Mao Tse-tung Thought is insufficient and our level of job competence is low, it is inevitable that errors have been made in this book; we request the broad mass of revolutionary readers to criticize and correct them.

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SHANTUNG RURAL COOPERATIVE MEDICINE IMPROVING

Peking CHUNG-KUO HSIN-WEN in Chinese 7 May 74 p 4

[China Press dispatch Tsinan 6 May 74]

[Text] Cooperative medical services in Yang-ku Hsien, Shantung Province have improved greatly. Everyone of the 560 production brigades in the hsien has its own cooperative medical service. Minor injuries and illnesses can now be handled by the team, and most sicknesses can be taken care of within the village. Conditions of lack of medical care and shortage of medicines in the backward rural areas have been rectified. The health of the people has improved.

Yang-ku Hsien is located in the western plain of Shantung. Before the liberation there was not a single hospital in the entire hsien. There were only a few herb shops and 10 or so doctors concentrated in the municipal seat of the hsien and some of the more populated towns. The rural areas had neither medical care nor medicine. When the poor people became sick, the milder cases would become worse on account of the lack of medical attention, and the severe cases ended in death. In the 1942 epidemics of Cholera and Kalaazar in Yang-ku Hsien the mortality rate numbered in the tens of thousands.

After the liberation, especially since the Great Proletarian Cultural Revolution, medical and public health services developed rapidly throughout the hsien. At present, the number of medical personnel is 4700; this averages out to 8.8 medical personnel per thousand people.

During the implementation of cooperative medical services, the Yang-ku Hsien Communist Party Committee extensively motivated the masses to use maximum effort to develop the mass movement to collect medicinal herbs. In 1973, the production brigades in the hsien collected 110,000 catties of more than 100 types of wild herbs. Aside from being enough to meet the needs of the cooperative medical services, a surplus of 32,000 catties was sold to the state. Simultaneously with the collecting of wild herbs the production brigades in the hsien also started the movement to transplant and propagate

wild herbs. In 1973, the hsien planted 1700 hectares of more than 60 types of medicinal herbs; 189 production brigades attained self-sufficiency and 320 production brigades achieved partial self-sufficiency in medicinal needs.

Many communes and teams in Yang-ku Hsien started local medicine manufacturing factories. At present, there are 190 local commune and team medicine factories producing more than 140 different types of medicines. These locally produced medicines are inexpensive, easy to use and are greatly welcomed by the masses.

With the steady improvement of the cooperative medical services, a commune member becoming ill is able to obtain timely medical attention. In the spring of 1973, the son of Yang Chin-chu, member of Ching-yang-kang production brigade of Chang-ch'iu Commune, developed acute enteritis. The barefoot doctors reached the patient promptly and proceeded with emergency treatment which averted serious complication for the child. Yang Chin-chu with tears in his eyes said emotionally: "If it had happened before the liberation, the child's life would be lost to us. Now he can have a second chance for life. It is all due to the results of cooperative medical services!"

With the continuous expansion of herbal medicine production, cooperative medical services also improved. At the beginning, every member paid one yuan per year to obtain the benefits of unlimited medical care and medicines. Now, the cooperative medical service expenses of 370 brigades are funded from the herbs collected by the members and from public welfare funds. Their members are no longer required to pay fees. Members of other brigades pay five chiao or two chiao per year. If the medical expenses of any member is under 40 yuan, it would be absorbed by the brigade medical service; if it was over 40 yuan, a major portion would be absorbed by the medical service on the basis of stipulated ratios.

As the cooperative medical services continue to expand the rank and file of barefoot doctors also rapidly increase. At present, the hsien has 1171 barefoot doctors, and 2941 public health personnel, providing an average of seven medical personnel for each production brigade. These barefoot doctors have more than one year of special training. They are able to diagnose and treat common and polypathic illnesses; are familiar with Chinese and western medicine and acupuncture therapy; and some can perform simple surgery. In addition to providing door to door medical services, they also participate in productive labor. The barefoot doctors also keep health records of all the commune members, conduct semi-annual physical examination of the member, provide planned long term treatment for those members with chronic illnesses, give scheduled vaccinations to the members, and supervise the members in taking preventive medications against seasonal epidemics. Their efforts reduced case incidence and the spread of many diseases.

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CSO: 3700

MEDICINE AND PUBLIC HEALTH IN HONAN LIN HSIEN

Peking CHUNG-KUO HSIN-WEN in Chinese 11 May 74 p 7 & 8

[China Press dispatch Cheng-chou 10 May 74]

[Text] All levels of the party organization in Lin Hsien, Honan, following Chairman Mao's instructions "in medical and health work, put the stress on the rural area," by strengthening the building up of commune infirmaries, has made possible the development of the medical health services in the villages.

The infirmary of each commune, under the leadership of the party committee, organized the medical personnel to repeatedly study Chairman Mao's relevant instructions and criticize the antirevolutionary revisionist line of Liu Shao-chi and Lin Piao, has enabled them to continuously raise their awareness of the class struggle and line struggle.

The Jen-ts'un commune infirmary clearly understanding the direction of its purpose, organized its medical personnel into teams to go at various intervals into remote villages to provide faithful medical services for the prevention and treatment of diseases among the poor lower and middle peasant. In the last two years, these teams, carrying X-ray machines on their backs and surgical equipment in their hands, diagnosed and treated more than 1,500 patients, X-rayed over 230 persons, and performed some 50 minor surgeries among the poor lower and middle peasants who acclaimed that they are "good doctors sent by Chairman Mao." The Ch'eng-kuan commune infirmary, realizing the anxieties of the poor lower and middle peasants, instituted daily 24-hour outpatient clinics to treat patients whenever they arrive. This was enthusiastically welcomed by the poor lower and middle peasants.

The various levels of Lin Hsien Party Committee emphasized the importance of strengthening the guidance of the commune infirmaries by specially transferring a group of cadres to augment the leadership of the commune infirmaries. At the same time, overall plans and uniform arrangements were made for the training and assignments of the technical backbone force for the commune infirmaries. Since the Great Proletarian Cultural Revolution,

30 technicians of different skills from the Hsien Hospital and 45 graduates of universities and secondary technical schools had been sent to the commune infirmaries. Moreover medical personnel of the commune infirmaries were rotated to receive training at the Hsien Hospital, or medical personnel from the hospital would go to the commune infirmaries to give technical guidance. In the recent years, the Hsien Hospital has trained 93 persons for the commune infirmaries in the fields of internal medicine, surgery, gynaecology, radiology, laboratory work, and anesthesia, thus greatly improving the technical level of the commune infirmaries. At present, there are 13 commune infirmaries in the hsien which could perform abdominal surgery, emergency treatment of wounds, difficult birth and sterilization surgery. Every commune infirmary also considers the strengthening and development of the co-operative medical services and the training of barefoot doctors as its important task. They regularly send medical personnel to the basic levels to investigate and do research, to propagate Chairman Mao's revolutionary line, and to help the brigades strengthen and develop the cooperative medical services. They also conduct training classes by using the methods of "propagation, assistance and apprenticeship" to train barefoot doctors for the brigades. At present, each production brigade in the hsien has 2 to 3 barefoot doctors, which makes it unnecessary to go outside of the brigade to seek treatment for common ailments.

Following Chairman Mao's instruction, this Hsien, during the process of developing the commune infirmaries, firmly relied on its own efforts in running the infirmaries. After several years of effort, 15 commune infirmaries in the hsien developed extensively. At present, they have more than 530 medical personnel, 587 beds, and are equipped with such medical equipment as microscopes, high-pressure sterilizers, and anesthesia machines. The role of the commune infirmary in medical and public health work in the rural area is thus brought into play.

8531
CSO: 3700

KWANGSI IMPLEMENTS 'PREVENTION AND TREATMENT' IN RURAL AREA

Peking CHUNG-KUO HSIN-WEN in Chinese 18 May 74 p 5

[China Press dispatch Nan-Ning 17 May 74]

[Text] Since this spring, every level of the public health service of Kwangsi Chuang Autonomous Region further implemented Chairman Mao's policy "in medical and health work, put the stress on the rural area," by organizing many medical teams to go deep into the rural mountain areas to treat and prevent diseases among the masses. According to incomplete statistics from Nan-ning City and the three regions of Nan-ning, Kweilin, and Ch'in-Chou, more than 1900 medical personnel were organized into 300 teams.

After a medical team reached a farming village, it would emphasize "the importance of prevention, by conducting general physical examinations for the masses and by actively carrying out preventive measures in coordination with local barefoot doctors and medical personnel. The team members who reached the minority nationality Pan-t'ao Commune in T'ien-lin hsien, in the mountain region organized and led the people into the mountains and collected more than 1000 catties of herbs which they made into medicine. The medicine was distributed door to door to the people for the prevention and treatment of diseases. The health of the commune members improved markedly. Since the beginning of the year, the workers' work attendance rate rose above 98 percent, thus facilitating spring planting and production. A team of ophthalmologists from the Second People's Hospital in Nan-ning City went to Su-yu Commune in Yung-ning Hsien to treat and prevent diseases. During a period of 3 months, the team treated more than 1000 cases and performed over 300 eye operations in patients' homes or in the fields. The poor farmers said gratefully, "Chairman Mao sent the medical team to treat us which shows his concern for us poor farmers. In the old society, no one cared whether we were sick or not. In the new society, the party and government are always concerned about every aspect of our welfare. Therefore, we must improve production and produce more food to support the socialist revolution and reconstruction of our country."

The medical teams helped the various rural regions to strength and develop their medical cooperative systems, and also trained barefoot doctors and public health personnel. The itinerant medical personnel who went to Lo-yu Commune in Wu-ming hsien studied Chairman Mao's instruction concerning public health work together with the party cadres and the masses, publicized the merits of cooperative medical services and criticized the Lin Piao anti-party clique's crime of attacking and sabotaging the socialist new-born things under the guidance of the commune party committee, thereby strengthening and improving the cooperative medical services of the production brigades. The medical team of Yung-fu hsien organized three training classes for the Lung-chiang Commune in the mountain which trained 130 barefoot doctors and public health personnel, thus effectively promoted the development of the local health services.

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CSO: 3700

NEW BOOK ON ACUPUNCTURE

Hong Kong HSIN WAN PAO in Chinese 23 May 74 p 6

[Book review of "Acupuncture, New Treatment Methods and Acupuncture Anesthesia"]

[Text] Recently the Shanghai Publishing Company published a new book -- "Acupuncture, New Treatment Methods and Acupuncture Anesthesia." This book was the product of close cooperation among the Chinese traditional medical personnel. By adopting the strong points to overcome the weak points many actual clinical experiments were carried out faithfully, and the factual results were recorded and tested repeatedly. The final results were compared and analyzed, with western and traditional medical practices and many new treatment methods were established. These new treatment methods expanded and advanced the practice of acupuncture. This book introduces new acupuncture practices for the treatment of common ailments and acupuncture anesthesia which is based on the close relationship between the meridians and the acupuncture points.

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